Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/28/2022 09:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124247	-1	1.27	124148	1.26
Blue	F	SSC	125000	123669	-2	2.50	124104	2.37
Blue	E	FITC	13602	13213	-3	2.24	371	13.27
Blue	D	PE	24891	24483	-2	1.70	580	10.33
Blue	B	PerCP-Cy5-5	33972	33107	-3	2.98	942	14.55
Blue	A	PE-Cy7	22865	22380	-3	4.89	466	30.75
Red	C	APC	47198	46188	-3	2.77	1598	11.43
Red	A	APC-Cy7	26454	25513	-4	3.31	722	12.02
Violet	B	V450	6737	6469	-4	3.71	453	11.17
Violet	A	V500	29317	27981	-5	3.28	957	8.34

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24038	2.41	533	-2	N/A	N/A	Pass
Blue	F	SSC	55712	1.94	516	-5	N/A	N/A	Pass
Blue	E	FITC	54	54.62	484	0	0.0450	114	Pass
Blue	D	PE	114	37.53	487	1	0.4072	279	Pass
Blue	B	PerCP-Cy5-5	148	41.74	579	0	0.0214	118	Pass
Blue	A	PE-Cy7	78	79.62	621	0	0.0218	0	Pass
Red	C	APC	336	25.78	571	-1	0.0287	202	Pass
Red	A	APC-Cy7	135	33.39	548	-3	0.0067	1180	Pass
Violet	B	V450	76	46.08	448	-2	0.0605	2306	Pass
Violet	A	V500	112	29.92	467	-2	0.0252	652	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.54	-31.32	1.04
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.50	13.90 - 20.86	N/A	N/A	29.78	29.95	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9567

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments